

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Not for submission under 37 CFR 1.99)

Application Number	10537341
Filing Date	2005-06-03
First Named Inventor	TAM, Cherk Shing
Art Unit	1653
Examiner Name	
Attorney Docket Number	32404-2147

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	2	4877864	A	1989-10-31	Wang et al.	
	3	4897348	A	1990-01-30	Johnson et al.	
	4	5011691	A	1991-04-30	Oppermann et al.	
	5	5024841	A	1991-06-18	Chu et al.	
	6	5264214	A	1993-11-12	Rhee et al.	
	7	5304542	A	1994-04-19	Tatakis	
	8	5354557	A	1994-10-11	Oppermann et al.	

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9	5461034	A	1995-10-24	Rodan et al.	
10	5470631	A	1995-11-28	Whitman et al.	
11	5470911	A	1995-11-28	Rhee et al.	
12	5504190	A	1996-04-02	Houghton et al.	
13	5578569	A	1996-11-26	Tam	
14	5643549	A	1997-07-01	Rhodes	
15	5661127	A	1997-08-26	Bhatnagar et al.	
16	5776892	A	1998-07-07	Counts et al.	
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18	5792664	A	1998-08-11	Chait et al.	
19	5880094	A	1999-03-09	Tam	

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20	6117839	A	2000-09-12	Tam	
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4	2231872	GB	A	1990-11-28	Sandoz AG; Theodor Kocher Institut		<input type="checkbox"/>
5	90/00060	WO	A1	1990-01-11	Collagen Corporation		<input type="checkbox"/>
6	90/06321	WO	A1	1990-06-14	Sandoz AG; Theodor Kocher Institut		<input type="checkbox"/>
7	91/11515	WO	A2	1991-08-08	University of South Florida		<input type="checkbox"/>
8	92/14481	WO	A1	1992-09-03	Celtrix Pharmaceuticals Inc.		<input type="checkbox"/>
9	94/05309	WO	A1	1994-03-17	University of Louisville Research Foundation, Inc.		<input type="checkbox"/>
10	94/20615	WO	A1	1994-09-15	Osteopharm Limited		<input type="checkbox"/>
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1	DART ET AL. "Transforming Growth Factors From a Human Tumor Cell: Characterization of Transforming Growth Factor β and Identification of High Molecular Weight Transforming Growth Factor α ", Biochemistry, 24(21): 5925-31 (1985).	<input type="checkbox"/>
2	BOWIE ET AL. "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, 247 (4948):1306-10 (Mar. 16, 1990).	<input type="checkbox"/>
3	NGO ET AL. "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox", The Protein Folding Problem and Tertiary Structure Prediction, Merz and Le Grand (eds), Birkhäuser Boston (1994), pp. 433 and 492-495.	<input type="checkbox"/>
4	EHLERT ET AL. "Limited and Defined Truncation at the C Terminus Enhances Receptor Binding and Degranulation Activity of the Neutrophil-activating Peptide 2 (NAP-2)", J. Biol. Chem. 270(11): 6338-44, (Mar. 17, 1985).	<input type="checkbox"/>
5	WALZ ET AL. "A Novel Cleavage Product of β -Thromboglobulin formed in Cultures of Stimulated Mononuclear Cells Activates Human Neutrophils", Biochemical and Biophysical Research. Communications, 159(3):969-975; (Mar 31, 1989).	<input type="checkbox"/>
6	SELYE, "On the Stimulation of New Bone-Formation With Parathyroid Extract and Irradiated Ergosterol", Endocrinology 16:547-558 (1933).	<input type="checkbox"/>
7	AITKEN ET AL. "Primary Hyperparathyroidism With Osteosclerosis and Calcification in Articular Cartilage", Am. J. Med. 37:813-820 (Nov. 1964).	<input type="checkbox"/>
8	KALU ET AL. "Parathyroid Hormone and Experimental Osteosclerosis", Lancet, 1363-1366 (June 27, 1970).	<input type="checkbox"/>
9	KLEIN ET AL. "Prostaglandins: Stimulation of Bone Resorption in Tissue Culture", Endocrinology, 85:1436-1440 (Jun. 1970).	<input type="checkbox"/>
10	CONNOR ET AL. "Generalized Osteosclerosis in Primary Hyperparathyroidism", Trans Am. Clin. Climatol. Assoc. 85:185-201 (1973).	<input type="checkbox"/>
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12	RUDINGER ET AL. "Characteristics of the amino acids as components of a peptide hormone sequence," Peptide Hormones, Parsons, eds., University Park Press, Baltimore, pp. 1-7, (1970).	<input type="checkbox"/>
13	TAM ET AL., "Bone Apposition Rate as an Index of Bone Metabolism", Metabolism 27(2):143-150 (Feb. 1978).	<input type="checkbox"/>
14	BEGG ET AL., "Complete Covalent Structure of Human β -Thromboglobulin", Biochemistry, 17(9):1739-1744 (1978).	<input type="checkbox"/>
15	SCHULZ ET AL. "Principles of Protein Structure", Springer-Verlag, New York, pp. 14-16, 1979.	<input type="checkbox"/>
16	MARKS ET AL., "The Hematogenous Origin of Osteoclasts: Experimental Evidence From Osteopetrotic (Microphthalmic) Mice Treated With Spleen Cells From Beige Mouse Donors", Am. J. Anat. 161:1-10 (1981).	<input type="checkbox"/>
17	CHEN ET AL. "Glucocorticoid Regulation of 1,25(OH) ₂ -Vitamin D ₃ Receptors in Cultured Mouse Bone Cells", J. Bio. Chem. 257(22):13564-13569 (Nov. 25, 1982).	<input type="checkbox"/>
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19	TAM ET AL. "Parathyroid Hormone Stimulates the Bone Apposition Rate Independently of its Resorptive Action: Differential Effects of Intermittent and Continuous Administration", Endocrinology 110(2):506-512 (1982).	<input type="checkbox"/>
20	CASTOR ET AL. "Structural and Biological Characteristics of Connective Tissue Activating Peptide (CTAP-III), A Major Human Platelet-derived Growth Factor", Proc. Natl. Acad. Sci. USA, 80:765-769 (Feb. 1983).	<input type="checkbox"/>
21	CHYUN ET AL. "Stimulation of Bone Formation by Prostaglandin E ₂ ", Prostaglandins, 27(1):97-103 (Jan. 1984).	<input type="checkbox"/>
22	CANALIS, "Effect of Growth Factors on Bone Cell Replication and Differentiation", Clinical Orthopaedics and Related Research 193 246-263 (March, 1985).	<input type="checkbox"/>

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23	OWEN, "Lineage of Osteogenic Cells and Their Relationship to the Stromal System" Bone and Mineral Research, 3 (1):1-25 (1985).	<input type="checkbox"/>
24	SUNDELIN ET AL., "The Primary Structure of Rabbit and Rat Prealbumin and a Comparison With the Tertiary Structure of Human Prealbumin", J. Biol. Chem. 260(10):6481-6487 (May 25, 1985).	<input type="checkbox"/>
25	GEORGE ET AL. "Current Methods in Sequence Comparison and Analysis", Macromolecular Sequencing and Synthesis: Selected Methods and Applications, Schlesinger, ed., Alan R. Liss Inc., New York, pp. 127-149, 1988.	<input type="checkbox"/>
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29	WALZ ET AL. "Generation of the Neutrophil-Activating Peptide NAP-2 From Platelet Basic Protein or Connective Tissue-Activating Peptide III Through Monocyte Proteases", Journal of Experimental Medicine, 171(2):449-454, (Feb. 1990).	<input type="checkbox"/>
30	WOZNEY ET AL. "Growth Factors Influencing Bone Development", J. Cell. Sci. Suppl. 13:149-156 (1990).	<input type="checkbox"/>
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32	ROODMAN, "Perspectives: Interleukin-6: An Osteotropic Factor?" J. Bone and Mineral Res. 7(5):475-478 (1992).	<input type="checkbox"/>
33	VAUGHAN ET AL. "Identification and Characterization of the Insertion Element IS1070 from Leuconostoc lactis N26009", Gene, 155:95-100 (1995).	<input type="checkbox"/>

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34	NAVAB ET AL. "Rat Plasma Prealbumin: Isolation and Partial Characterization" J. Biol. Chem. 252(14) 5100-5106 (July 25, 1977).	<input type="checkbox"/>
35	VAUGHAN ET AL. "U17353, Leuconostoc lactis insertion sequence IS1070:IS1070 putative transposase (tnp) gene, complete eds." Sep. 13, 1995.	<input type="checkbox"/>
36	STEDMAN'S MEDICAL DICTIONARY, 27th Edition Medical Economics Company, Inc. 2000.	<input type="checkbox"/>
37	ABSTRACT - WO 92/10515, PHARMA Bissendof peptide GMBH, Derivatives of the Human Parathormone Fragment (1-37) in the Amide or Ethylamide Form as Active Substance, June 25, 1992.	<input type="checkbox"/>
38	ABSTRACT - WO 92/15615, Chugai Seiyaku Kabushiki Kaisha, Serum Calcium Depressing Factor, Stp. 17, 1992.	<input type="checkbox"/>
39	COCCIA ET AL. "Successful Bone-Marrow Transplantation for Infantile Malignant Osteopetrosis," The New England Journal of Medicine 302(13):701-708 (Mar. 27, 1980).	<input type="checkbox"/>
40	CANALIS, "Interleukin-1 has Independent Effects on Deoxyribonucleic Acid and Collagen Synthesis in Cultures of Rat Calvariae", Endocrinology 118(1):74-91 (1986).	<input type="checkbox"/>
41	CENTRELLA ET AL. "Transforming and Nontransforming Growth Factors are Present in Medium Conditioned By Fetal Rat Calvariae" Proc. Natl. Acad. Sci. USA 82:7335-7339 (Nov. 1985).	<input type="checkbox"/>
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43	TASHJIAN ET AL. "α and β Human Transforming Growth Factors Stimulate Prostaglandin Production and Bone Resorption in Cultured Mouse Calvaria" Proc. Natl. Acad. Sci. USA 82:4535-4538 (Jul. 1985).	<input type="checkbox"/>
44	MAJUMDAR ET AL. "Characterization of the Human β-thromboglobulin Gene: Comparison with the Gene for Platelet Factor 4" J. Bio. Chem. 266(9):5785-5787 (Mar. 1991).	<input type="checkbox"/>

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45	INTERNATIONAL SEARCH REPORT issued by European Patent Office on International Patent Application No. PCT/CA96/00653, published June 5, 1997.	<input type="checkbox"/>
46	INTERNATIONAL SEARCH REPORT issued by European Patent Office on International Patent Application No. PCT/CA00/00031, published July 20, 2000.	<input type="checkbox"/>
47	SCHUMACHER ET AL., "High-and-Low-Affinity binding of GRO α ...Interleukin 8 receptors on Human Neutrophils," Proc. Natl. Sci. USA, 89:10542-10546, (Nov 1992).	<input type="checkbox"/>
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49	Wells, "Additivity of Mutational Effects in Proteins," Biochemistry 29(37):8509-8517, (Sept. 18, 1990).	<input type="checkbox"/>

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- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ None

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Signature	/John Hunt/	Date (YYYY-MM-DD)	2007-03-29
Name/Print	John C. Hunt	Registration Number	36424

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